

## CLAIMS

What is claimed is:

1. A hinge (34) for a fire-resistant enclosure, wherein said enclosure includes a cabinet (20) having inner and outer walls (12, 14) spaced apart having insulating material (46) positioned therebetween, the cabinet having an access opening (28) and a first outer edge surrounding the access opening, the enclosure also includes a door (32) having inner and outer walls (16, 18) spaced apart and having insulating material positioned therebetween, the door having a second outer edge that is adjacent to the first outer edge when the door is in a closed position, a false front (22) is coupled with the cabinet to define an internal hinge compartment (58), and a bracket (64) is coupled with the false front, the hinge comprising:

a cabinet end (36) pivotally coupled with the bracket;

a door end (38) fixedly coupled with the door;

a first segment (72) extending from said cabinet end in a generally linear direction;

a second segment (74) extending from said first segment in a generally curved path wrapping around cabinet end approximately 90 degrees;

a third segment (76) extending from said second segment in a generally linear direction, said third segment extending at an angle relative to said first segment; and

a fourth segment (78) extending from said third segment in a generally linear direction to said door end, said fourth segment being generally perpendicular to said first segment.

2. The hinge in claim 1, wherein said hinge allows said door to open approximately 147 degrees relative to the closed position of the door.
3. The hinge in claim 1, wherein said cabinet end includes a pin (62).
4. The hinge in claim 1, wherein said third segment is angled approximately 20 degrees below a horizontal plane (81) that is parallel with said first segment.
5. The hinge in claim 1, wherein said fourth segment extends toward a plane (82) defined by said first segment.
6. The hinge in claim 1, wherein the door includes a jamb stop (40), wherein said door end is fixedly coupled with said jamb stop.
7. The hinge in claim 1, wherein the hinge is positioned within the internal hinge compartment.
8. The hinge in claim 1, wherein the first segment is generally parallel with the front surface of the door when the door is in the closed position.
9. The hinge in claim 1, wherein the fourth segment is generally perpendicular with the front surface of the door when the door is in the closed position.

10. A fire-resistant enclosure comprising:
- a cabinet (20) having inner and outer walls (12, 14) spaced apart having insulating material (46) positioned therebetween, said cabinet having an access opening (28) and a first outer edge surrounding said access opening;
  - a door (32) having inner and outer walls (16, 18) spaced apart and having insulating material positioned therebetween, said door having a second outer edge that is adjacent to said first outer edge when said door is in a closed position;
  - a false front (22) coupled with said cabinet, said false front defining an internal hinge compartment (58);
  - a bracket (64) coupled with said false front; and
  - a hinge (34) comprising:
    - a cabinet end (36) pivotally coupled with the bracket;
    - a door end (38) fixedly coupled with the door;
    - a first segment (72) extending from said cabinet end in a generally linear direction;
    - a second segment (74) extending from said first segment in a generally curved path wrapping around cabinet end approximately 90 degrees;
    - a third segment (76) extending from said second segment in a generally linear direction, said third segment extending at an angle relative to said first segment; and
    - a fourth segment (78) extending from said third segment in a generally linear direction to said door end, said fourth segment being generally perpendicular to said first segment.

11. The enclosure in claim 10, wherein said hinge allows said door to open approximately 147 degrees relative to the closed position of the door.

12. The enclosure in claim 10, wherein said cabinet end includes a pin (62).

13. The enclosure in claim 10, wherein said third segment is angled approximately 20 degrees below a horizontal plane (81) that is parallel with said first segment.

14. The enclosure in claim 10, wherein said fourth segment extends toward a plane (82) defined by said first segment.

15. The enclosure in claim 10, wherein the door includes a jamb stop (40), wherein said door end is fixedly coupled with said jamb stop.

16. The enclosure in claim 10, wherein the hinge is positioned within the internal hinge compartment.

17. The enclosure in claim 10, wherein the first segment is generally parallel with the front surface of the door when the door is in the closed position.

18. The enclosure in claim 10, wherein the fourth segment is generally perpendicular with the front surface of the door when the door is in the closed position.

19. The enclosure in claim 10, further comprising:  
a gasket (68) positioned on one of the second outer edge of said door and the first outer edge of said cabinet; and  
a rib (66) positioned on the other of said first and second outer edges, wherein said gasket and rib are positioned adjacent to one another when the door is in the closed position.

20. The enclosure in claim 10, wherein first and second outer edges define a gap (70) when the door is in a closed position, wherein said gap is approximately 0.25 inches.

21. A fire-resistant enclosure comprising:  
a cabinet (20) having inner and outer walls (12, 14) spaced apart having insulating material (46) positioned therebetween, said cabinet having an access opening (28) and a first outer edge surrounding said access opening;  
a door (32) having inner and outer walls (16, 18) spaced apart and having insulating material positioned therebetween, said door having a second outer edge that is adjacent to said first outer edge when said door is in a closed position;  
a false front (22) coupled with said cabinet, said false front defining an internal hinge compartment (58);

a bracket (64) coupled with said false front; and  
a hinge (34) rotatably coupled with said bracket and fixedly coupled with said door, said hinge being positioned within said internal hinge compartment, wherein said hinge allows said door to open approximately 147 degrees relative to said door in the closed position:

22. The enclosure in claim 20, further comprising:

a gasket (68) positioned on one of the second outer edge of said door and the first outer edge of said cabinet; and

a rib (66) positioned on the other of said first and second outer edges, wherein said gasket and rib are positioned adjacent to one another when the door is in the closed position.

23. The enclosure in claim 20, wherein first and second outer edges define a gap (70) when the door is in a closed position, wherein said gap is approximately 0.25 inches.

24. A fire-resistant enclosure comprising:

a cabinet (20) having inner and outer walls (12, 14) spaced apart having insulating material (46) positioned therebetween, said cabinet having an access opening (28) and a first outer edge surrounding said access opening;

a door (32) having inner and outer walls (16, 18) spaced apart and having insulating material positioned therebetween, said door having a second outer edge that is adjacent to said first outer edge when said door is in a closed position;

a false front (22) coupled with said cabinet, said false front defining an internal hinge compartment (58);

a bracket (64) coupled with said false front; and

hinge means (34) for allowing said door to open approximately

147 degrees relative to said door in the closed position.